

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| S1 | 92 | ((ANDERS) near2 (JOHANSSON)).INV. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:18 |
| S2 | 5 | ((TOMMY) near2 (SUNDQVIST)).INV. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:19 |
| S3 | 6 | ((AKE) near2 (OBERG)).INV. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:20 |
| S4 | 6 | ((AKE) near2 (OBERG)).INV. | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:20 |
| S5 | 4 | "6660001" | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:21 |
| S6 | 9 | "6437856" | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:29 |
| S7 | 31 | "6091984" | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:33 |
| S8 | 2 | "20020051512" | US-PGPUB; USPAT; USOOR | OR | OFF | 2009/01/17 22:38 |
| S9 | 0 | measur\$4 tissue thickness with 2d two dimensional light intensity detector\$1 | US-PGPUB; USPAT; USOOR | AND | OFF | 2009/01/21 18:00 |
| S10 | 0 | measur\$4 tissue thickness with two dimensional light intensity detector\$1 | US-PGPUB; USPAT; USOOR | AND | OFF | 2009/01/21 18:00 |
| S11 | 0 | measur\$4 tissue thickness with light intensity detector\$1 | US-PGPUB; USPAT; USOOR | AND | OFF | 2009/01/21 18:00 |
| S12 | 730 | measur\$4 tissue thickness with two dimensional light intensity detector\$1 | US-PGPUB; USPAT; USOOR | AND | OFF | 2009/01/21 18:00 |
| S13 | 438 | measur\$4 tissue thickness with two dimensional light intensity detector\$1 and compar\$4 mean\$1 | US-PGPUB; USPAT; USOOR | AND | OFF | 2009/01/21 18:02 |
| S14 | 0 | measur\$4 tissue thickness with two dimensional light intensity detector\$1 and compar\$4 mean\$1 and extract\$4 light\$1 from white light source | US-PGPUB; USPAT; USOOR | AND | OFF | 2009/01/21 18:03 |

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|-----|-----|--|------------------------|-----|-----|------------------|
| S15 | 227 | measur\$4 tissue thickness with two dimensional light intensity detector\$1 and compar\$4 mean\$1 and white light source | US-PGPUB; USPAT; USOCR | AND | OFF | 2009/01/21 18:03 |
| S16 | 101 | analyz\$4 tissue with infrared light\$1 intensity and probe tip with fiber bundle\$1 | US-PGPUB; USPAT | AND | OFF | 2009/01/22 14:39 |
| S17 | 337 | (assess\$4 bone thickness and light\$1) and (degree collagen fiber lineariz\$4) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:25 |
| S18 | 25 | (assess\$4 bone thickness and infrared light\$1) and (degree collagen fiber lineariz\$4) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:25 |
| S19 | 0 | (assess\$4 bone thickness with infrare white light\$1 spectrometer) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:27 |
| S20 | 35 | (assess\$4 bone thickness and infrared white light\$1 spectrometer) and (determin\$4 thickness with light\$1 intensity) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:28 |
| S21 | 17 | signal process\$4 with apply\$4 tissue thickness and fiber linearization | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:54 |
| S22 | 0 | (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thicjness) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:55 |
| S23 | 1 | (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thickness) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:56 |
| S24 | 13 | (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity and tissue thickness) | US-PGPUB; USPAT | AND | OFF | 2009/01/22 18:56 |

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| S25 | 0 | assess\$4 catillage bone thickness with infrared light and degree collagen fiber linearization | US-PGPUB; USPAT | AND | OFF | 2009/01/22 21:25 |
| S26 | 40687 | multiplex\$5 and light\$4 intensity and reference | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:38 |
| S27 | 382 | multiplex\$5 and determin\$4 light\$4 intensity with tissue thickness | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:39 |
| S28 | 298 | multiplex\$5 and determin\$4 light\$4 intensity with tissue thickness diagnos\$5 | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:39 |
| S29 | 0 | multiplex\$5 and determin\$4 light\$4 intensity with tissue thickness diagnos\$5 and endoscop\$5 | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:40 |
| S30 | 87 | multiplex\$5 and determin\$4 light\$4 intensity with tissue thickness diagnos\$5 and endoscop\$5 | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:40 |
| S31 | 7 | determin\$4 light\$4 intensity with bone thickness diagnos\$5 and endoscop\$5 | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:54 |
| S32 | 966 | determin\$4 bone thickness with light\$4 intensity | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:57 |
| S33 | 122 | determin\$4 bone and cartilage thickness with light\$4 intensity | US-PGPUB; USPAT | AND | OFF | 2009/01/23 17:57 |
| S34 | 0 | 600/476.cds. and determin\$4 light\$4 intensity with bone thickness diagnos\$5 and endoscop\$5 | US-PGPUB; USPAT | AND | OFF | 2009/01/23 18:09 |
| S35 | 3028435 | 600/476.cds. and determin\$4 light\$4 intensity with bone thickness diagnos\$5 and endoscop\$5 | US-PGPUB; USPAT | OR | OFF | 2009/01/23 18:10 |
| S36 | 3028439 | 600/473.cds. and determin\$4 light\$4 intensity with bone thickness diagnos\$5 and endoscop\$5 | US-PGPUB; USPAT | OR | OFF | 2009/01/23 18:10 |

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| S37 | 0 | 600/478.ccls. and (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thickness) | US-PGPUB; USPAT | AND | OFF | 2009/01/23 18:10 |
| S38 | 0 | 600/478.ccls. and (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thickness) | US-PGPUB; USPAT | AND | OFF | 2009/01/23 18:11 |
| S39 | 310 | 600/478.ccls. and (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thickness) | US-PGPUB; USPAT | OR | OFF | 2009/01/23 18:11 |
| S40 | 236 | 600/477.ccls. and (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thickness) | US-PGPUB; USPAT | OR | OFF | 2009/01/23 18:11 |
| S41 | 715 | 600/473.ccls. and (control with signal process\$4 and apply\$4 tissue thickness and fiber linearization) and (light intensity with tissue thickness) | US-PGPUB; USPAT | OR | OFF | 2009/01/23 18:11 |
| S42 | 0 | measur\$4 cartilag\$3 thickness with light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2009/09/03 15:18 |
| S43 | 0 | measur\$4 cartilag\$3 thickness with light intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:18 |
| S44 | 167 | measur\$4 cartilag\$3 thickness with light intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:18 |
| S45 | 167 | measur\$4 cartilag\$3 thickness with light\$1 intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:19 |

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| S46 | 101 | ((ANDERS) near2 (JOHANSSON)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/03 15:21 |
| S47 | 50 | ((ANDERS) near2 (JOHANSSON)).INV. | EPO; JPO; DERWENT | OR | OFF | 2009/09/03 15:21 |
| S48 | 5 | ((TOMMY) near2 (SUNDQVIST)).INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/03 15:21 |
| S49 | 3 | ((TOMMY) near2 (SUNDQVIST)).INV. | EPO; JPO; DERWENT | OR | OFF | 2009/09/03 15:21 |
| S50 | 6 | ((AKE) near2 (OBERG)). INV. | US-PGPUB; USPAT; USOCR | OR | OFF | 2009/09/03 15:21 |
| S51 | 0 | ((AKE) near2 (OBERG)). INV. | EPO; JPO; DERWENT | OR | OFF | 2009/09/03 15:21 |
| S52 | 9074 | measur\$4 cartilag\$3 thickness | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:27 |
| S53 | 0 | measur\$4 cartilag\$3 thickness with light\$1 intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:28 |
| S54 | 292 | measur\$4 cartilag\$3 thickness or collagen with polariz\$5 light\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:30 |
| S55 | 139 | measur\$4 cartilag\$3 thickness or collagen with polariz\$5 light\$1 intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:30 |
| S56 | 0 | measur\$4 (cartilag\$3 thickness or collagen) with polariz\$5 light\$1 intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:30 |
| S57 | 0 | measur\$4 cartilag\$3 thickness with polariz \$5 light\$1 intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:38 |
| S58 | 27 | measur\$4 cartilag\$3 thickness with polariz \$5 light\$1 intensit\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:38 |

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| S59 | 9074 | measur\$4 cartilag\$3 thickness | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:41 |
| S60 | 131 | measur\$4 cartilag\$3 thickness | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:41 |
| S61 | 7 | measur\$4 cartilag\$3 thickness and polariz\$5 light\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:42 |
| S62 | 0 | measur\$4 polariz\$5 light\$1 intensit\$4 with determin\$4 cartilag\$4 thick\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:44 |
| S63 | 0 | measur\$4 polari\$5 light\$1 intensit\$4 with determin\$4 cartilag\$4 thick\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:44 |
| S64 | 0 | polari\$5 light\$1 intensit\$4 with determin\$4 cartilag\$4 thick\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:45 |
| S65 | 0 | measur\$4 polariz\$5 light\$1 intensit\$4 with determin\$4 cartilag\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 15:45 |
| S66 | 248 | measur\$4 polariz\$5 light\$1 intensit\$4 with determin\$4 cartilag\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:45 |
| S67 | 149 | measur\$4 polari\$5 light\$1 intensit\$4 with determin\$4 cartilag\$4 thick\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:45 |
| S68 | 63 | "6370422" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:57 |

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| S69 | 3 | "20010056237" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 15:57 |
| S70 | 119 | analyz\$4 cartilag\$3 thickness\$2 with light intensit\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 16:28 |
| S71 | 181 | cartilag\$3 thickness\$2 with light intensit\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 16:34 |
| S72 | 98 | cartilag\$3 thickness\$2 with light intensit\$3 and collagen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2009/09/03 16:34 |
| S73 | 8 | cartilag\$3 with light intensit\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2009/09/03 16:35 |
| S74 | 0 | determin\$4 cartilag\$3 thickness and light intensit\$4 | US-PGPUB; USPAT | ADJ | OFF | 2009/09/03 16:41 |
| S75 | 0 | determin\$4 cartilag\$3 thickness with light intensit\$4 | US-PGPUB; USPAT | ADJ | OFF | 2009/09/03 16:41 |
| S76 | 0 | determin\$4 cartilag\$3 thickness with light intensit\$4 | US-PGPUB; USPAT | WITH | OFF | 2009/09/03 16:41 |
| S77 | 170 | determin\$4 cartilag\$3 thickness with light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:41 |
| S78 | 1324 | analyz\$4 light intensit \$4 with calculat\$4 and (cartilage thickness or collagen) | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:50 |
| S79 | 1324 | analyz\$4 light intensit \$4 with calculat\$4 (cartilage thickness or collagen) | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:50 |
| S80 | 213 | analyz\$4 light intensit \$4 with calculat\$4 (cartilage thickness or collagen) and polariz \$4 | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:51 |

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| S81 | 2 | analyz\$4 light intensit\$4 with calculat\$4 cartilage thickness with collagen and polariz\$4 | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:53 |
| S82 | 36 | analyz\$4 light intensit\$4 with calculat\$4 cartilage thickness and polariz\$4 | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:53 |
| S83 | 5596 | calculat\$4 cartilage thickness | US-PGPUB; USPAT | AND | OFF | 2009/09/03 16:57 |
| S84 | 23 | calculat\$4 cartilage thickness | US-PGPUB; USPAT | WITH | OFF | 2009/09/03 16:57 |
| S85 | 83 | "5280788" | US-PGPUB; USPAT | OR | OFF | 2009/09/13 16:01 |
| S86 | 12 | measur\$4 bone thickness | US-PGPUB; USPAT | ADJ | OFF | 2009/09/13 16:02 |
| S87 | 0 | measur\$4 bone thickness with light\$1 | US-PGPUB; USPAT | ADJ | OFF | 2009/09/13 16:03 |
| S88 | 1424 | measur\$4 bone thickness with light\$1 | US-PGPUB; USPAT | AND | OFF | 2009/09/13 16:03 |
| S89 | 196 | measur\$4 bone and cartilage thickness with light\$1 | US-PGPUB; USPAT | AND | OFF | 2009/09/13 16:03 |
| S90 | 247 | measur\$4 cartilage thickness with light\$1 | US-PGPUB; USPAT | AND | OFF | 2009/09/13 20:45 |
| S91 | 2786 | measur\$4 intensit\$4 back scatter\$4 light\$1 with determin\$4 tissue \$1 thickness | US-PGPUB; USPAT | AND | OFF | 2010/03/01 16:59 |
| S92 | 132 | measur\$4 intensit\$4 back scatter\$4 light\$1 with determin\$4 cartilage\$1 thickness and fiber\$1 illuminat\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:00 |
| S93 | 765 | measur\$4 cartilage\$1 thickness with proces\$4 analyz\$4 light\$1 intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:06 |
| S94 | 541 | measur\$4 cartilage\$1 thickness with proces\$4 analyz\$4 light\$1 intensit\$4 and wavelength\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:07 |
| S95 | 2 | measur\$4 cartilage\$1 thickness with proces\$4 analyz\$4 light\$1 intensit\$4 and wavelength\$1 and backscatter\$4 white light\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:09 |

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| S96 | 10 | measur\$4 cartilage\$1 thickness with proces \$4 analyz\$4 light\$1 intensit\$4 and wavelength\$1 and backscatter\$4 light\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:10 |
| S97 | 96 | measur\$4 cartilage\$1 thickness with proces \$4 analyz\$4 light\$1 intensit\$4 and wavelength\$1 and back scatter\$4 light\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:10 |
| S98 | 439 | measur\$4 tissue\$1 thickness with proces \$4 analyz\$4 light\$1 intensit\$4 and wavelength\$1 and back scatter\$4 light\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:13 |
| S99 | 52 | measur\$4 tissue\$1 thickness with proces \$4 analyz\$4 light\$1 intensit\$4 and wavelength\$1 and back scatter\$4 light\$1 and illuminat\$4 tissue\$1 with fiber\$1 bundle\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:13 |
| S100 | 138 | measur\$4 cartilage\$1 thickness | US-PGPUB; USPAT | WITH | OFF | 2010/03/01 17:43 |
| S101 | 21 | measur\$4 cartilage\$1 thickness | US-PGPUB; USPAT | ADJ | OFF | 2010/03/01 17:43 |
| S102 | 0 | cartilage\$1 thickness with light intensit\$4 | US-PGPUB; USPAT | WITH | OFF | 2010/03/01 17:45 |
| S103 | 190 | cartilage\$1 thickness with light\$1 intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:46 |
| S104 | 3245 | tissue\$1 thickness with light\$1 intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:50 |
| S105 | 21 | measur\$4 tissue\$1 thickness with back scatter\$4 light\$1 intensit\$4 with proces \$4 analys\$4 with wavelength\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:51 |
| S106 | 13 | measur\$4 joint thickness with back scatter\$4 light\$1 intensit\$4 with proces \$4 analys\$4 with wavelength\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:53 |

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| S107 | 13 | measur\$4 joint collagen thickness with back scatter\$4 light\$1 intensit\$4 with proces\$4 analys\$4 with wavelength\$1 | US-PGPUB; USPAT | AND | OFF | 2010/03/01 17:53 |
| S108 | 506 | cartilage thickness with measur\$4 light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/02 12:00 |
| S109 | 0 | cartilage thickness with measur\$4 light intensit\$4 | US-PGPUB; USPAT | WITH | OFF | 2010/03/02 12:00 |
| S110 | 0 | cartilage thickness with measur\$4 light intensit\$4 and wavelengths | US-PGPUB; USPAT | WITH | OFF | 2010/03/02 12:00 |
| S111 | 164 | cartilage thickness with measur\$4 light intensit\$4 and wavelengths | US-PGPUB; USPAT | AND | OFF | 2010/03/02 12:01 |
| S112 | 151 | cartilage thickness with light intensit\$4 detect\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/02 13:58 |
| S113 | 101 | measur\$4 cartilage thickness with light intensit\$4 reflect\$4 spectr\$4 | US-PGPUB; USPAT | AND | OFF | 2010/03/02 14:03 |
| S114 | 289 | measur\$4 tissue\$1 thick\$4 with analyz\$4 light\$1 intensit\$3 and wavelength\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2010/03/14 20:39 |
| S115 | 1 | measur\$4 tissue\$1 thick\$4 with analyz\$4 light\$1 intensit\$3 and wavelength\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/14 20:40 |
| S116 | 22 | measur\$4 tissue\$1 thick\$4 and analyz\$4 light\$1 intensit\$3 and wavelength\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/14 20:42 |
| S117 | 3 | "20010056237" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | OFF | 2010/03/14 21:04 |
| S118 | 5 | measur\$4 cartilage thickness with light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:38 |

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| S119 | 5 | cartilage thickness with light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:45 |
| S120 | 211 | measur\$4 cartilage thickness and light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:45 |
| S121 | 0 | measur\$4 cartilage thickness and light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | WITH | OFF | 2010/09/09 18:45 |
| S122 | 26 | "600". clas. and measur \$4 cartilage thickness and light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:45 |
| S123 | 0 | measur\$4 cartilage thickness based on reflect\$4 light intensit \$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:55 |
| S124 | 40 | measur\$4 cartilage thickness based with light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:55 |
| S125 | 3 | 600/473-479.cds. and measur\$4 cartilage thickness and light intensit\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:56 |
| S126 | 0 | 600/473-479.cds. and cartilage thickness with subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:57 |
| S127 | 260 | cartilage thickness with subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:57 |
| S128 | 0 | cartilage thickness with subchondral bone and light intensit44 | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:58 |
| S129 | 47 | cartilage thickness with subchondral bone and light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/09 18:58 |
| S130 | 111 | optic\$4 light intensit\$4 and cartilage thickness and subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/09 19:00 |
| S131 | 428 | ((A) near2 (STONE)). INV. | EPO; JPO; DERWENT | OR | OFF | 2010/09/09 19:25 |

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| S132 | 0 | measur\$4 cartilage thickness with optic\$4 proper\$4 subchondral bone and cartilage | US-PGPUB; USPAT | WITH | OFF | 2010/09/10 13:13 |
| S133 | 34 | measur\$4 cartilage thickness with optic\$4 proper\$4 subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:14 |
| S134 | 119 | measur\$4 cartilage thickness with optic\$4 light with bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:17 |
| S135 | 0 | measur\$4 cartilage thickness with optic\$4 light with subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:18 |
| S136 | 16 | measur\$4 cartilage thickness with light intensit\$4 with bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:19 |
| S137 | 186 | measur\$4 cartilage thickness with subchondral bone and cartilage | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:25 |
| S138 | 2 | measur\$4 cartilage thickness with subchondral bone and cartilage and fiber optic | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:25 |
| S139 | 71 | measur\$4 cartilage thickness and subchondral bone and cartilage and fiber optic | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:26 |
| S140 | 75 | measur\$4 cartilage thickness with fiber optic | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:45 |
| S141 | 108 | measur\$4 cartilage thickness with reflect\$4 light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:47 |
| S142 | 100 | measur\$4 cartilage thickness with reflect\$4 light intensit\$4 and bone | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:47 |
| S143 | 0 | cartilage thickness and light intensit\$4 | US-PGPUB; USPAT | ADJ | OFF | 2010/09/10 13:49 |
| S144 | 138 | cartilage thickness and light | US-PGPUB; USPAT | ADJ | OFF | 2010/09/10 13:49 |
| S145 | 13 | cartilage thickness and reflect\$4 light | US-PGPUB; USPAT | ADJ | OFF | 2010/09/10 13:49 |
| S146 | 0 | cartilage thickness and fiber opt | US-PGPUB; USPAT | ADJ | OFF | 2010/09/10 13:50 |

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|------|-----|--|-----------------|------|-----|------------------|
| S147 | 0 | cartilage thickness with light intensit | US-PGPUB; USPAT | ADJ | OFF | 2010/09/10 13:51 |
| S148 | 0 | cartilage thickness with light intensit and subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:51 |
| S149 | 5 | cartilage thickness with light intensit\$3 and subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:51 |
| S150 | 217 | cartilage thickness and light intensit\$3 and subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:53 |
| S151 | 10 | cartilage thickness and light intensit\$3 and subchondral bone | US-PGPUB; USPAT | WITH | OFF | 2010/09/10 13:53 |
| S152 | 1 | cartilage thickness and optic\$4 subchondral bone | US-PGPUB; USPAT | WITH | OFF | 2010/09/10 13:55 |
| S153 | 179 | cartilage thickness and fiber optic\$4 subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:56 |
| S154 | 22 | cartilage thickness with fiber optic\$4 subchondral bone | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:56 |
| S155 | 296 | cartilage thickness with light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:57 |
| S156 | 892 | cartilage thickness with bone light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:57 |
| S157 | 47 | cartilage thickness with subchondral bone light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 13:57 |
| S158 | 24 | cartilage thickness with bone backscat\$4 light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 14:00 |
| S159 | 892 | cartilage thickness with bone light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 14:01 |
| S160 | 0 | cartilage thickness with bone light intensit\$4 | US-PGPUB; USPAT | WITH | OFF | 2010/09/10 14:01 |
| S161 | 0 | cartilage thickness and bone light intensit\$4 | US-PGPUB; USPAT | WITH | OFF | 2010/09/10 14:01 |
| S162 | 217 | cartilage thickness and subchondral bone light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 14:01 |
| S163 | 4 | 600/473-479.cds. and cartilage thickness with bone light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 14:03 |
| S164 | 40 | "600".clas. and cartilage thickness with bone light intensit\$4 | US-PGPUB; USPAT | AND | OFF | 2010/09/10 14:04 |

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